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(54) **LAND AND WATER BASED FLASH FLOOD
DETECTION AND WARNING SYSTEM**

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(58) **Field of Search** 441/1, 11

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(57) **ABSTRACT**

A land and water flash flood detecting and warning system includes a buoyant waterproof casing. A detachable tether is externally fixed to the casing and a distal end of the tether is attached to an anchor to secure the casing in place on land. Accelerometers mounted internally to the casing are configured to measure short-range and short-term positional information of the casing when the casing is in water due to flooding of the land. A radio transceiver coupled to the accelerometers transmit the positional information to land based receiving stations to indicate a flooding condition.

15 Claims, 3 Drawing Sheets

